AMENDMENTS TO THE CLAIMS

Please delete claims 1-19 and add new claims 20-59 as provided in the following listing of claims

LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-19 (Cancelled).

Claim 20 (New): A method comprising:

controlling an implantable neurostimulator to deliver neurostimulation to a patient according to a plurality of stimulation settings during a programming session;

displaying a list of the stimulation settings; and

ordering the list according to at least one user-chosen criteria.

Claim 21 (New): The method of claim 20, wherein each of the stimulation settings includes a pulse width, a pulse frequency, an identification of activated electrodes and an identification of polarities of activated electrodes.

Claim 22 (New): The method of claim 20, further comprising collecting rating information for each of the stimulation settings, wherein the user-chosen criteria comprises the rating information and ordering the list comprises ordering the list according to the rating information.

Claim 23 (New): The method of claim 22, wherein collecting rating information comprises collecting a numeric rating for each of the stimulation settings, the user-chosen criteria comprises the numeric ratings, and ordering the list comprises ordering the list according to the numeric ratings.

Claim 24 (New): The method of claim 23, wherein the numeric ratings indicate a degree of pain-relief.

Claim 25 (New): The method of claim 22, wherein collecting rating information comprises:

collecting a pain map;

collecting a paresthesia map for each of the stimulation settings; and

comparing each of the paresthesia maps to the pain map to the to determine a degree of overlap for each of stimulation settings, and wherein the user-chosen criteria comprises the degrees of overlap and ordering the list comprises ordering the list according to the degrees of overlap.

Claim 26 (New): The method of claim 22, wherein collecting rating information comprises collecting rating information from the patient.

Claim 27 (New): The method of claim 20, further comprising selecting at least one stimulation setting from the plurality for retesting based on the user-chosen criteria.

Claim 28 (New): The method of claim 20, further comprising automatically programming the neurostimulator with at least one of the stimulation settings based on the user-chosen criteria.

Claim 29 (New): A device for programming an implantable neurostimulator comprising a display, wherein the device controls an implantable neurostimulator to deliver neurostimulation to a patient according to a plurality of stimulation settings during a programming session, displays a list of the stimulation settings via the display, and orders the list according to at least one user-chosen criteria.

Claim 30 (New): The device of claim 29, wherein each of the stimulation settings includes a pulse width, a pulse frequency, an identification of activated electrodes and an identification of polarities of activated electrodes.

Claim 31 (New): The device of claim 29, wherein the device collects rating information for each of the stimulation settings, the user-chosen criteria comprises the rating information, and the device orders the list according to the rating information.

Claim 32 (New): The device of claim 31, wherein the device collects numeric rating for each of the stimulation settings, the user-chosen criteria comprises the numeric ratings, and the device orders the list according to the numeric ratings.

Claim 33 (New): The device of claim 32, wherein the numeric ratings indicate a degree of pain-relief.

Claim 34 (New): The device of claim 32, wherein the display is a touch screen display, and the device collects the numeric rating via the display.

Claim 35 (New): The device of claim 31, wherein the display is a touch screen display, and the device collects a pain map and collects a paresthesia map for each of the stimulation settings via the display and compares each of the paresthesia maps to the pain map to determine a degree of overlap for each of stimulation settings, and

wherein the user-chosen criteria comprises the degrees of overlap, and the device orders the list according to the degrees of overlap.

Claim 36 (New): The device of claim 29, wherein the device selects at least one stimulation setting from the plurality for retesting based on the user-chosen criteria.

Claim 37 (New): The device of claim 29, wherein the device automatically programs the neurostimulator with at least one of the stimulation settings based on the user-chosen criteria.

Claim 38 (New): The device of claim 29, wherein the device comprises a portable computer.

Claim 39 (New): The device of claim 29, wherein the device comprises a tablet computer.

Claim 40 (New): A system for programming an implantable neurostimulator comprising:

means for controlling an implantable neurostimulator to deliver neurostimulation to a patient according to a plurality of stimulation settings during a programming session;

means for displaying a list of the stimulation settings; and

means for ordering the list according to at least one user-chosen criteria.

Claim 41 (New): The system of claim 40, further comprising means for collecting rating information for each of the stimulation settings, wherein the user-chosen criteria comprises the rating information and means for ordering the list comprises means for ordering the list according to the rating information.

Claim 42 (New): The system of claim 41, wherein means for collecting rating information comprises means for collecting a numeric rating for each of the stimulation settings, the user-chosen criteria comprises the rating information, and means for ordering the list comprises means for ordering the list according to the numeric ratings.

Claim 43 (New): The system of claim 41, wherein means for collecting rating information comprises:

means for collecting a pain map and for collecting a paresthesia map for each of the stimulation settings; and

means for comparing the pain map to the each of the paresthesia maps to determine a degree of overlap for each of stimulation settings, and wherein the user-chosen criteria comprises the degrees of overlap, and means for ordering the list comprises means for ordering the list according to the degrees of overlap.

Claim 44 (New): The system of claim 40, further comprising means for selecting at least one stimulation setting from the plurality for retesting based on the user-chosen criteria.

Claim 45 (New): The system of claim 40, further comprising means for automatically programming the neurostimulator with at least one of the stimulation settings based on the user-chosen criteria.

Claim 46 (New): A method comprising:

     storing a plurality of predetermined programming codes;

     identifying a type of an implantable medical device;

     selecting one of the plurality of programming codes based on the identified type; and

     transmitting the selected programming code to the implantable medical device to enable programming of the implantable medical device.

Claim 47 (New): The method of claim 46, wherein transmitting the selected programming code comprises modulating a carrier signal.

Claim 48 (New): The method of claim 47, further comprising retrieving parameters for modulation of the carrier signal from a memory based on the identified type of the implantable medical device.

Claim 49 (New): The method of claim 46, wherein the implantable medical device is an implantable neurostimulator.

Claim 50 (New): A system for programming an implantable medical device comprising:

     a computing device coupled to an antenna that identifies a type of the implantable medical device; and

     a transmitter interface that includes a memory to store a plurality of predetermined programming codes, wherein the transmitter interface receives an indication of the identified type of the implantable medical device from the computing device, selects one of the plurality of programming codes based on the identified type, and transmits the selected programming code to the implantable medical device via the antenna to enable programming of the implantable medical device.

Claim 51 (New): The system of claim 50, wherein the transmitter interface is integral with the computing device.

Claim 52 (New): The system of claim 50, wherein the transmitter interface is integral with the antenna.

Claim 53 (New): The system of claim 50, wherein the transmitter interface transmits the selected programming code by modulating a carrier wave.

Claim 54 (New): The system of claim 53, wherein the memory stores parameters for modulation of the carrier wave associated with each of the programming codes, and the transmitter interface further includes control interface circuitry that retrieves parameters from the memory based on the identified type of the implantable medical device and controls modulation of the carrier wave according to the retrieved parameters.

Claim 55 (New): The system of claim 53, wherein the transmitter interface includes at least one of a direct digital synthesizer, programmable gain/amplitude circuitry, and a transistor circuit to modulate the carrier wave.

Claim 56 (New): The system of claim 55, wherein the transistor circuit comprises one of a tuned tank circuit and an H-bridge circuit.

Claim 57 (New): The system of claim 50, wherein the computing device comprises a tablet computer.

Claim 58 (New): A system for programming an implantable medical device comprising:

means for storing a plurality of predetermined programming codes;

means for identifying a type of an implantable medical device;

means for selecting one of the plurality of programming codes based on the identified type; and

means for transmitting the selected programming code to the implantable medical device to enable programming of the implantable medical device.

Claim 59 (New): The system of claim 58, wherein mean s for transmitting the selected programming code comprises means for modulating a carrier signal.